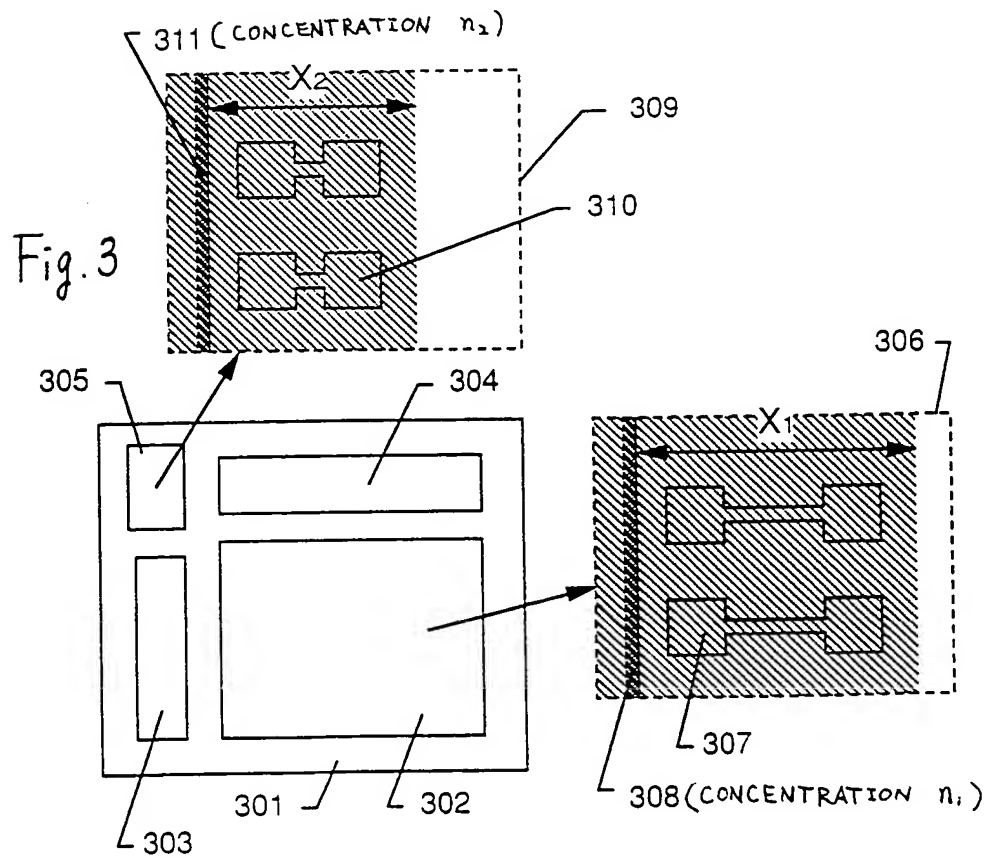
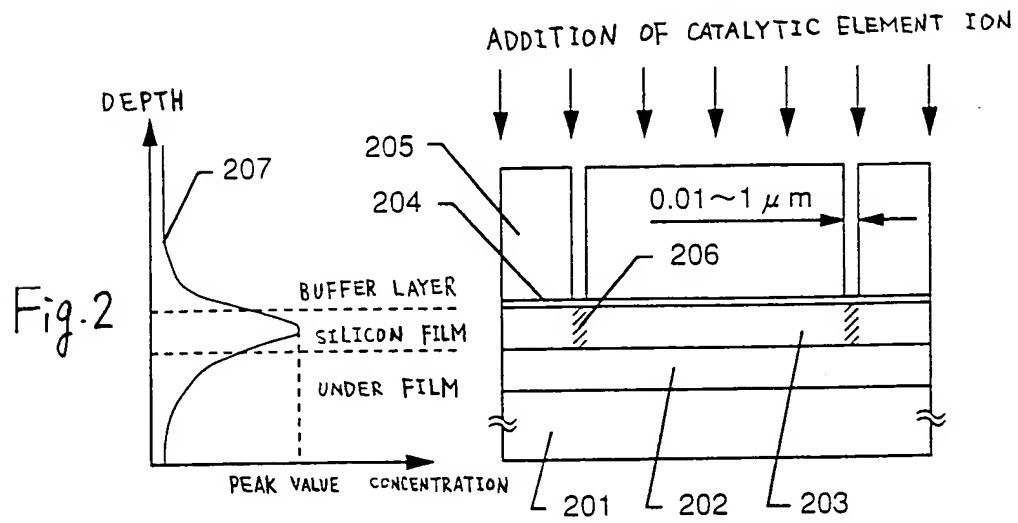


Fig. 1



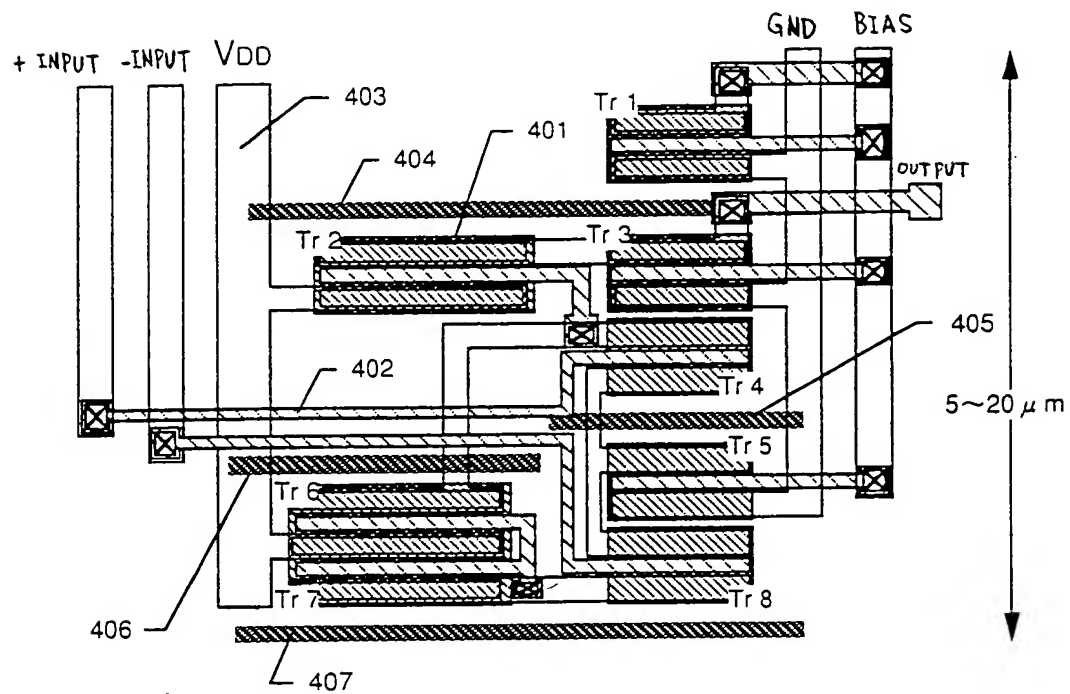


Fig. 4A

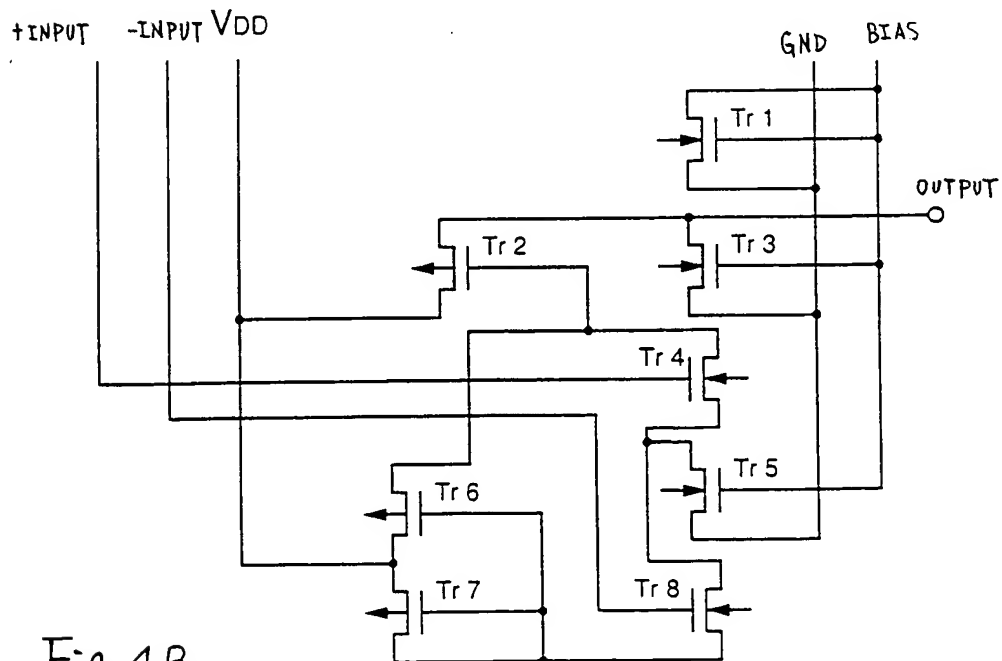
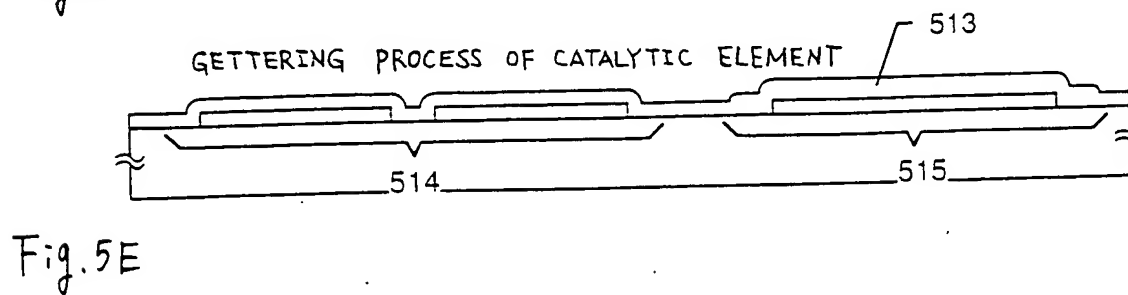
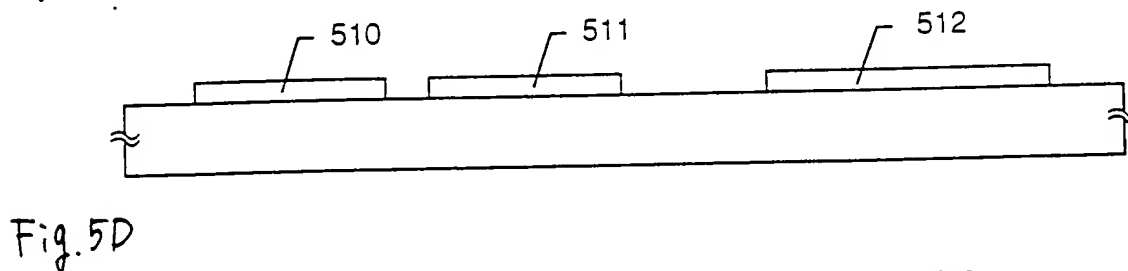
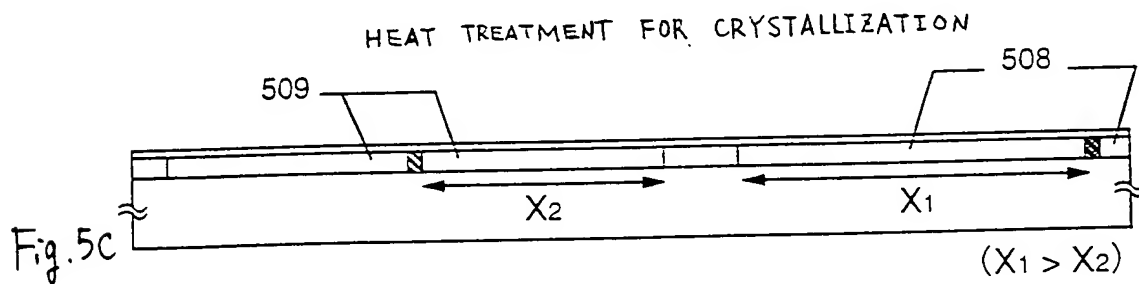
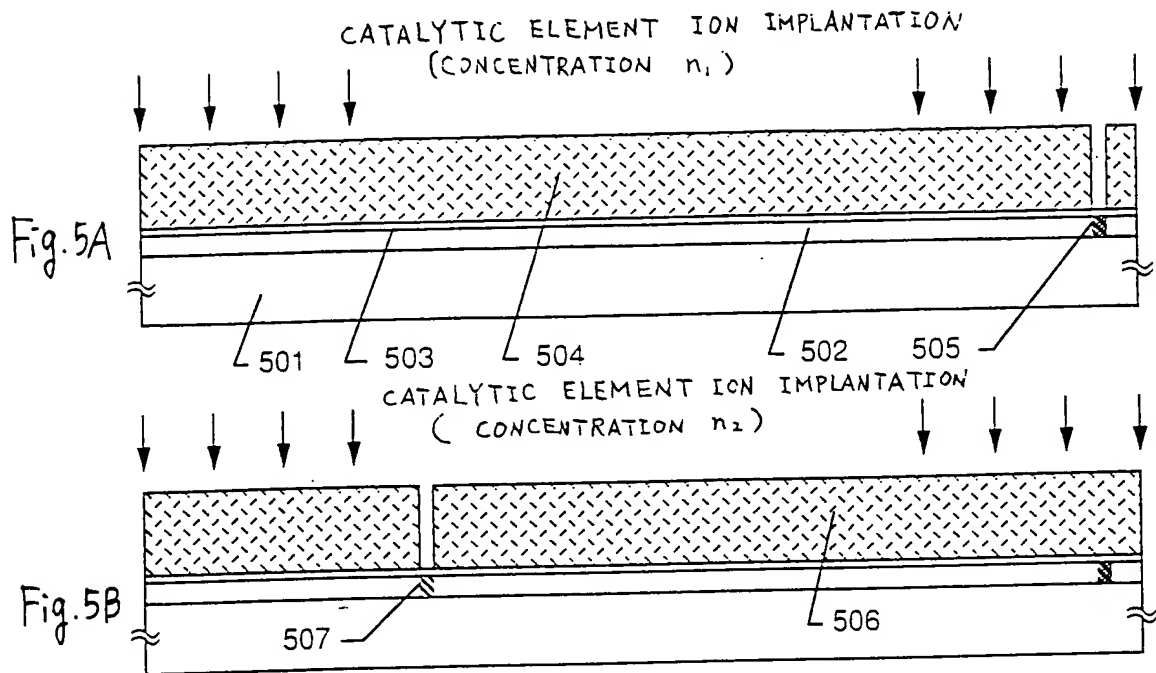
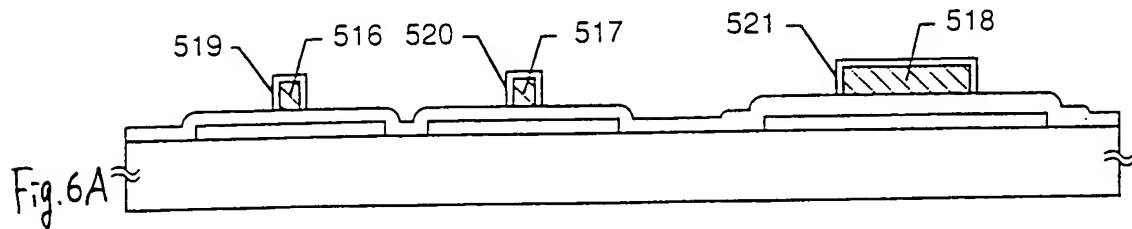


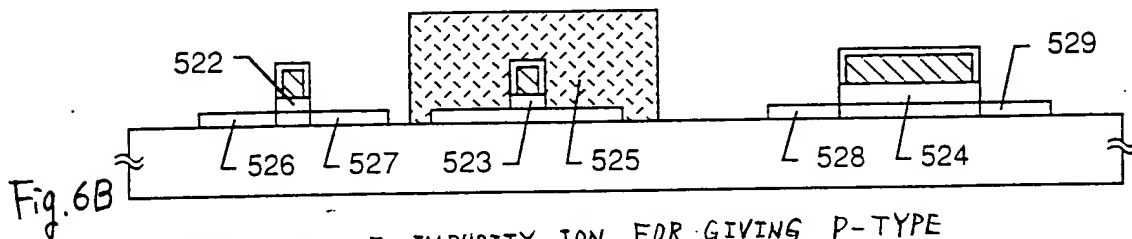
Fig. 4B





ADDITION OF IMPURITY ION FOR GIVING N-TYPE
 (FORMATION OF n^- REGION)

↓ ↓ ↓ ↓ ↓ ↓ ↓



ADDITION OF IMPURITY ION FOR GIVING P-TYPE
 (FORMATION OF p^- REGION)

↓ ↓ ↓ ↓ ↓ ↓ ↓

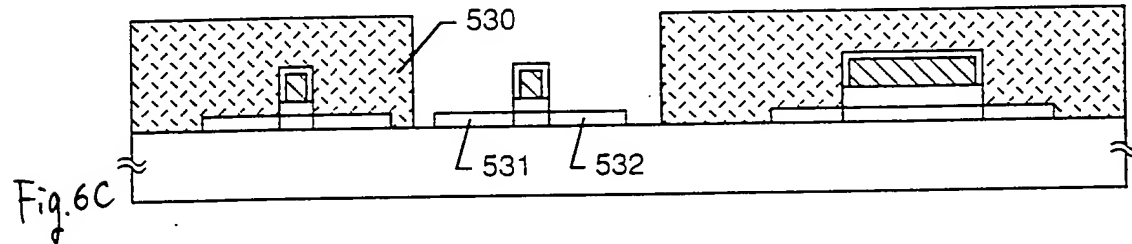
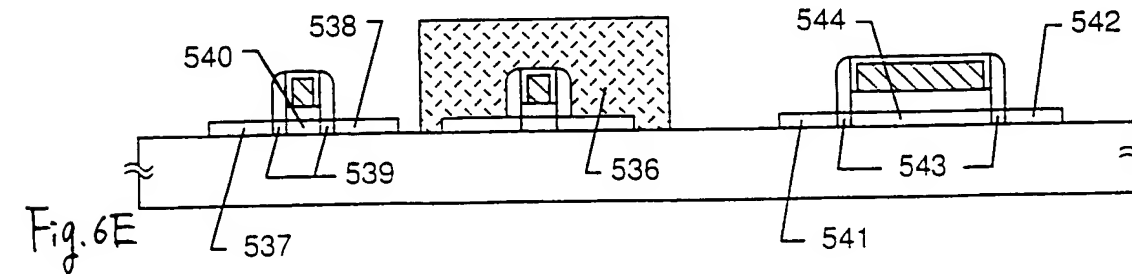


Fig. 6D

ADDITION OF IMPURITY ION FOR GIVING N-TYPE
 (FORMATION OF n^+ REGION)

↓ ↓ ↓ ↓ ↓ ↓ ↓



ADDITION OF IMPURITY ION FOR GIVING P-TYPE
(FORMATION OF p^+ REGION)

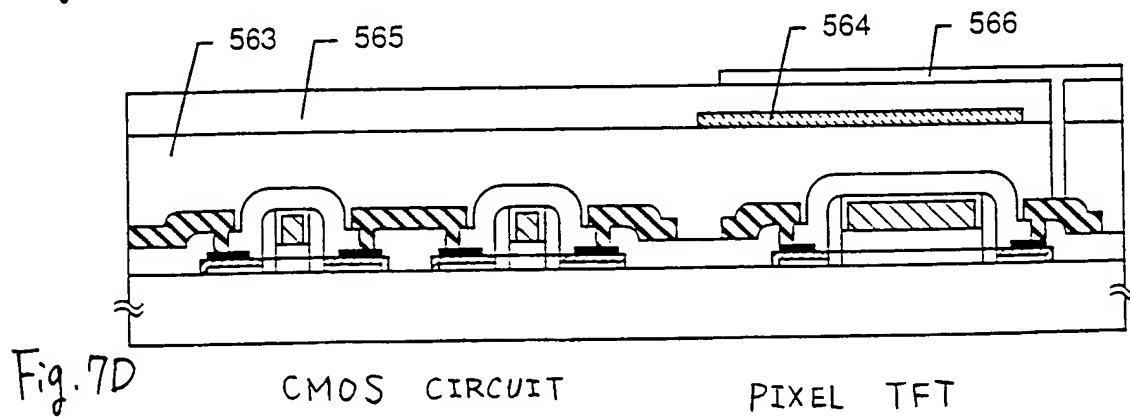
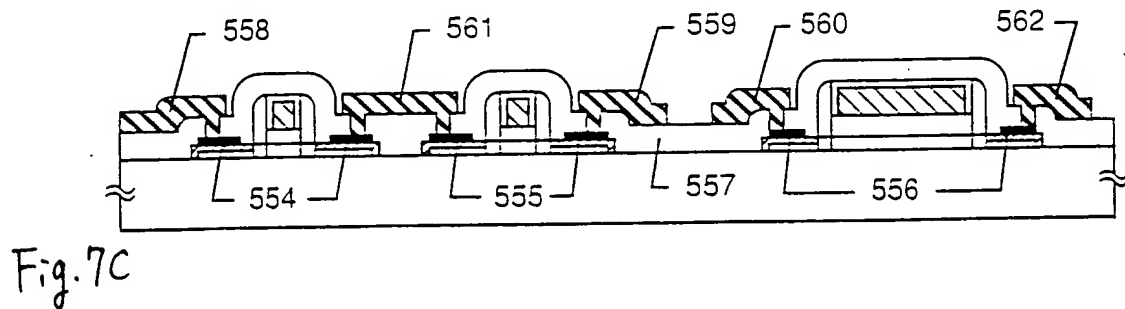
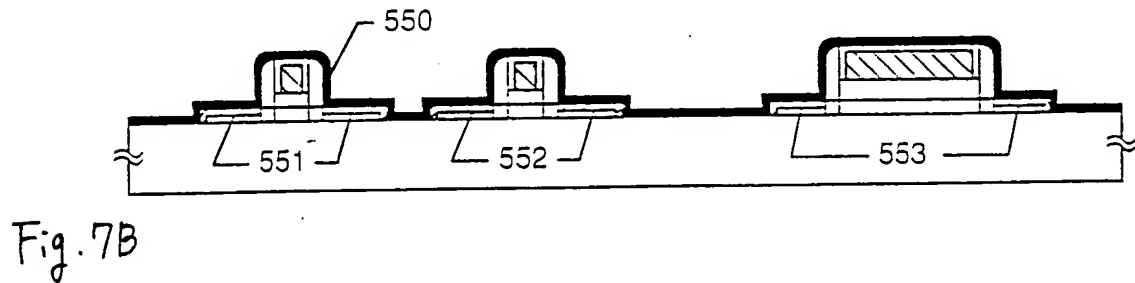
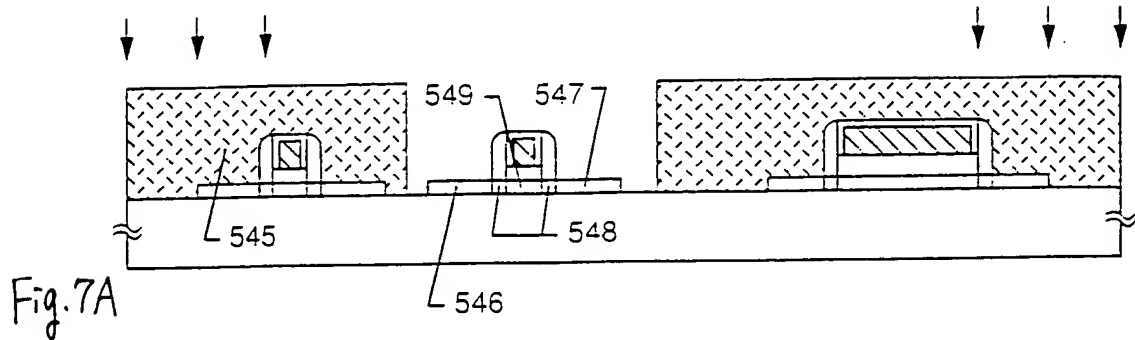


Fig. 8



Fig. 9

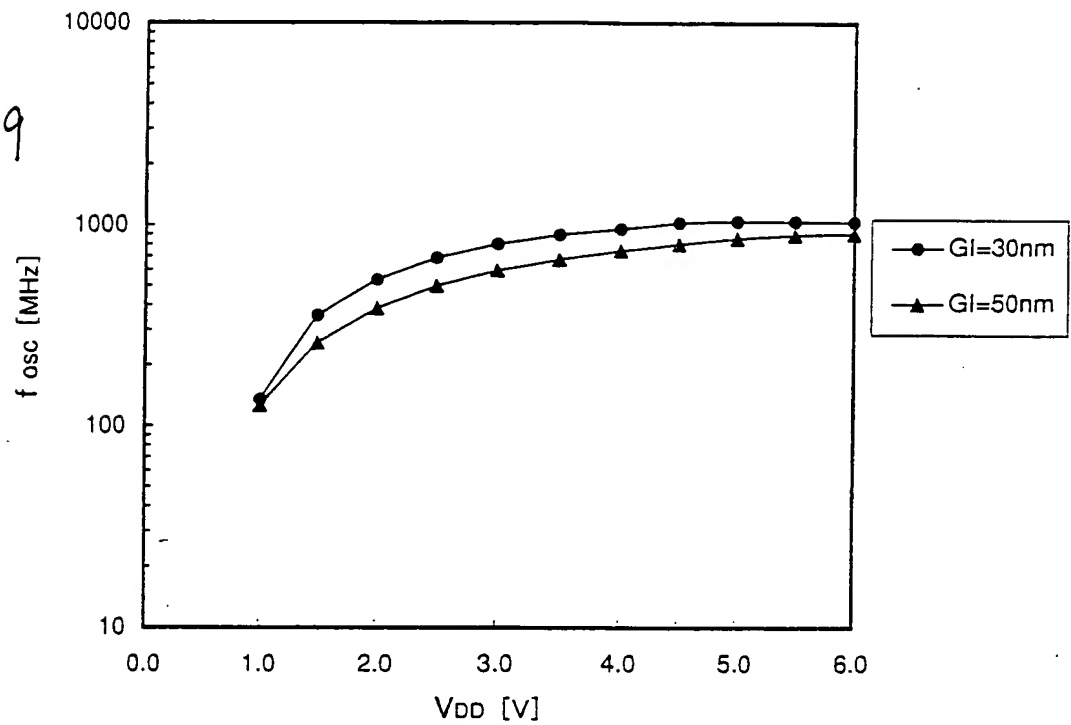


Fig. 10

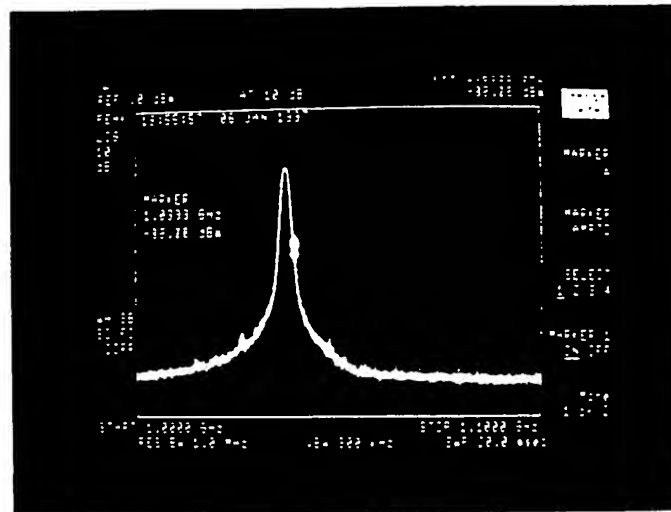


Fig. 11

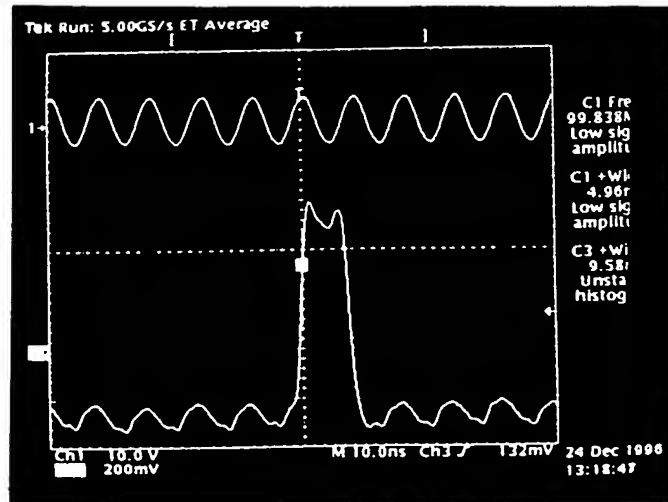
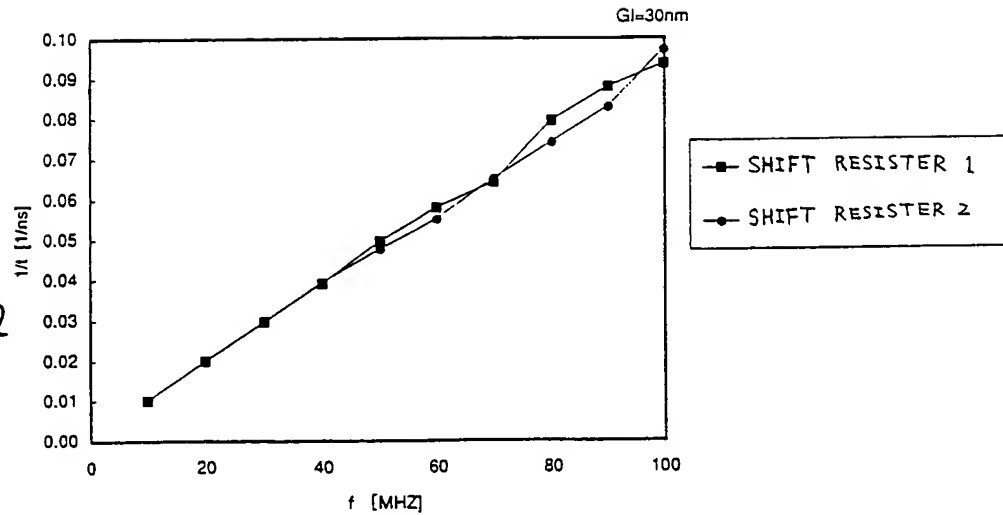


Fig. 12



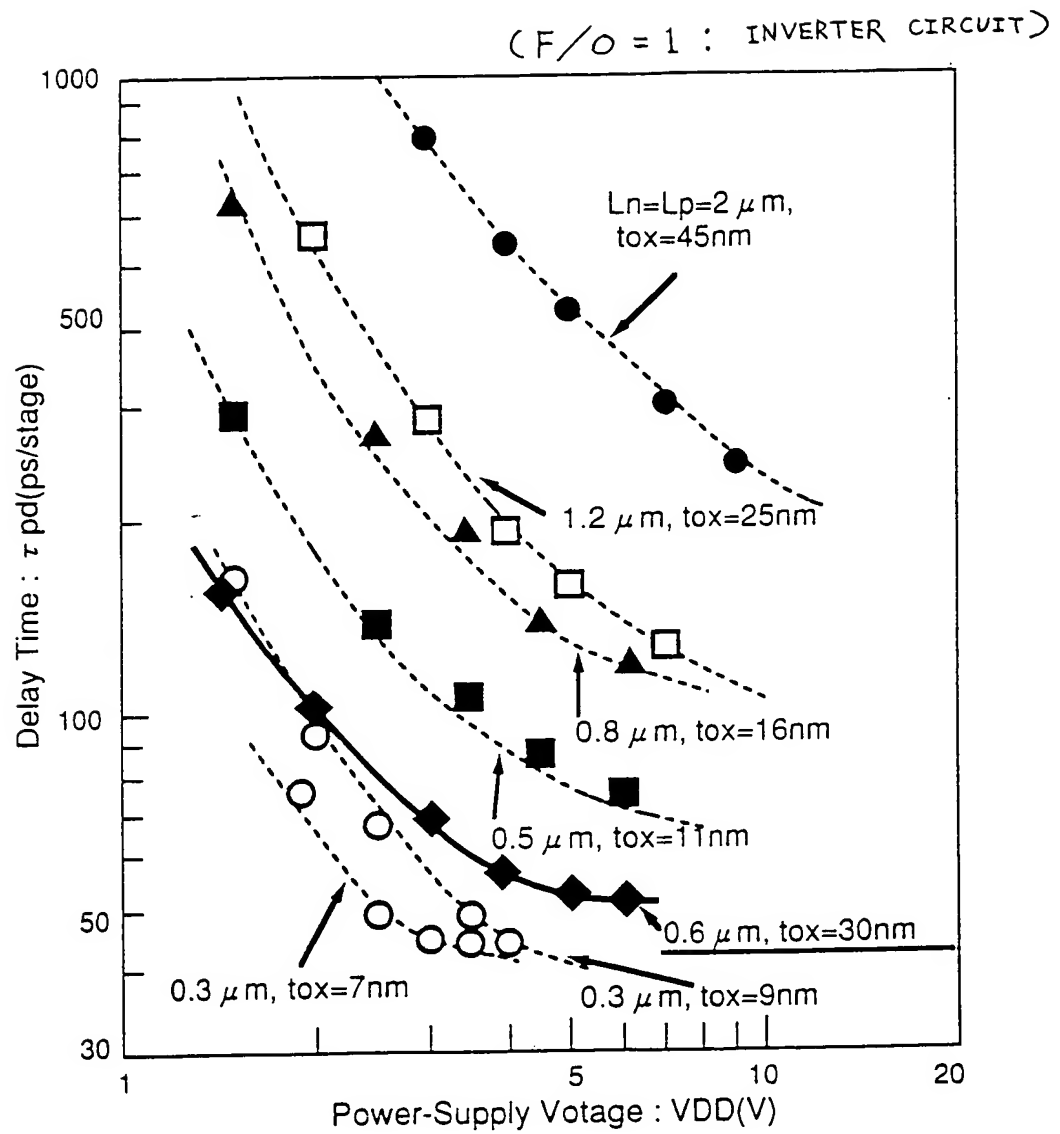


Fig. 13

Fig. 14A

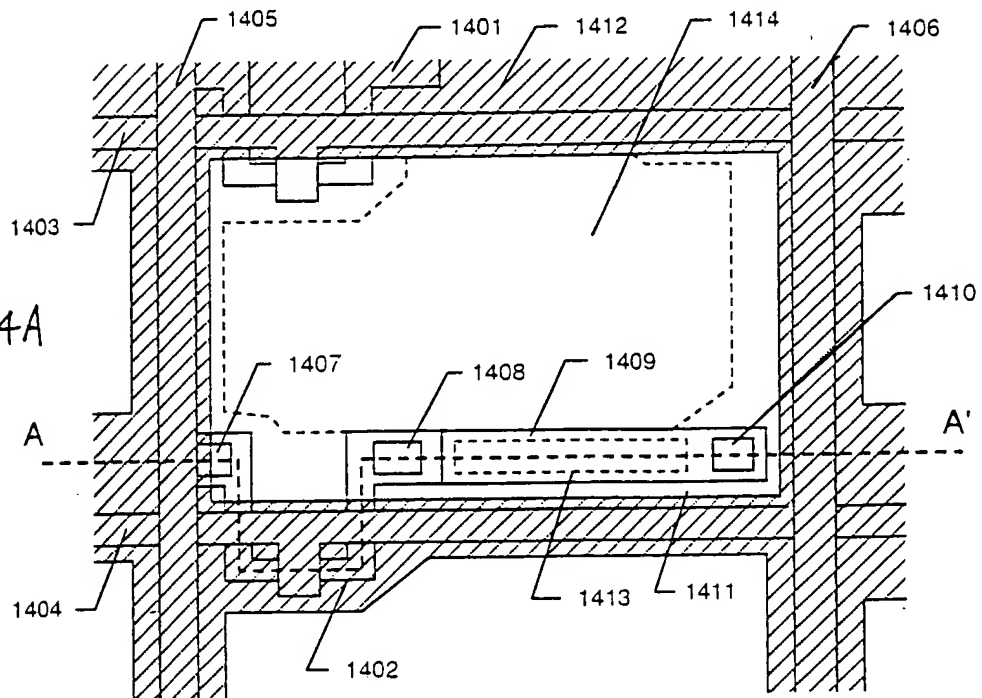
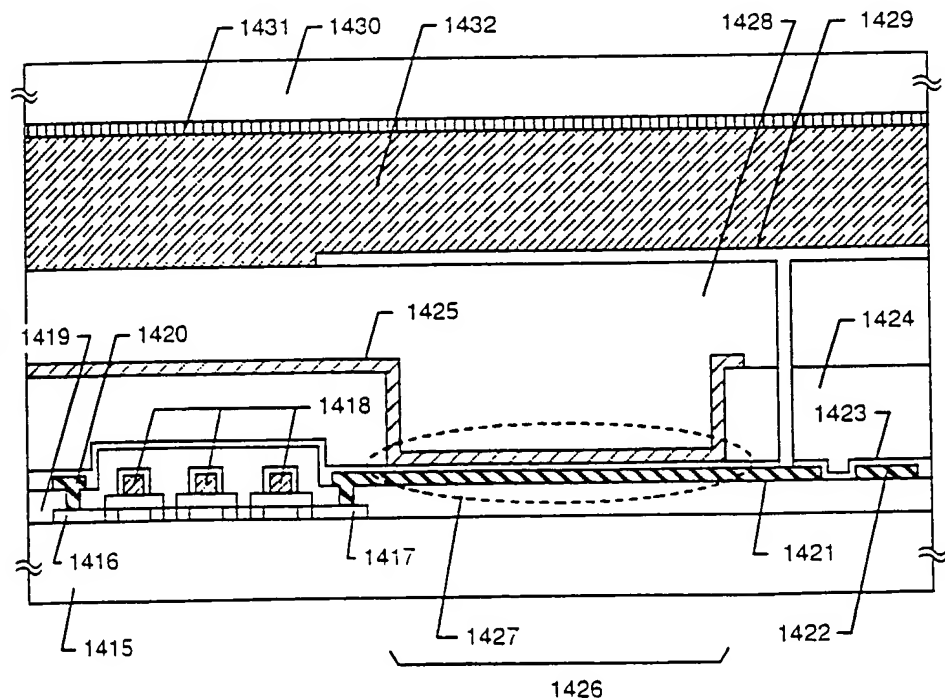


Fig. 14B



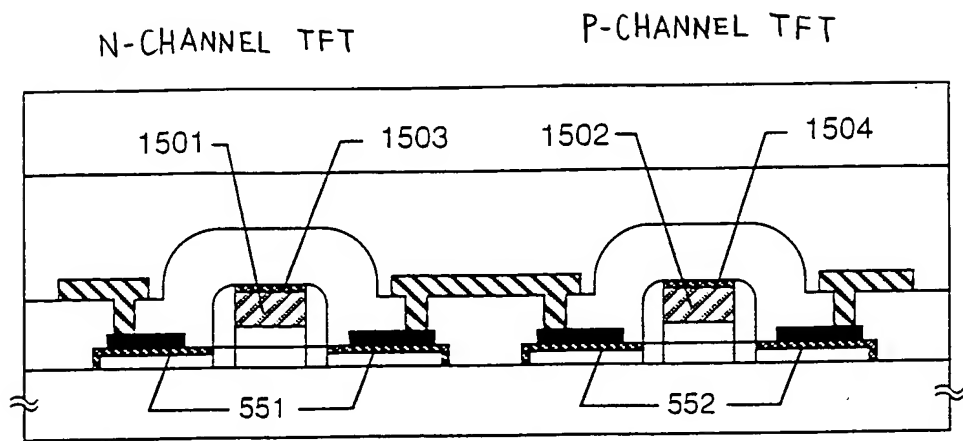


Fig. 15A

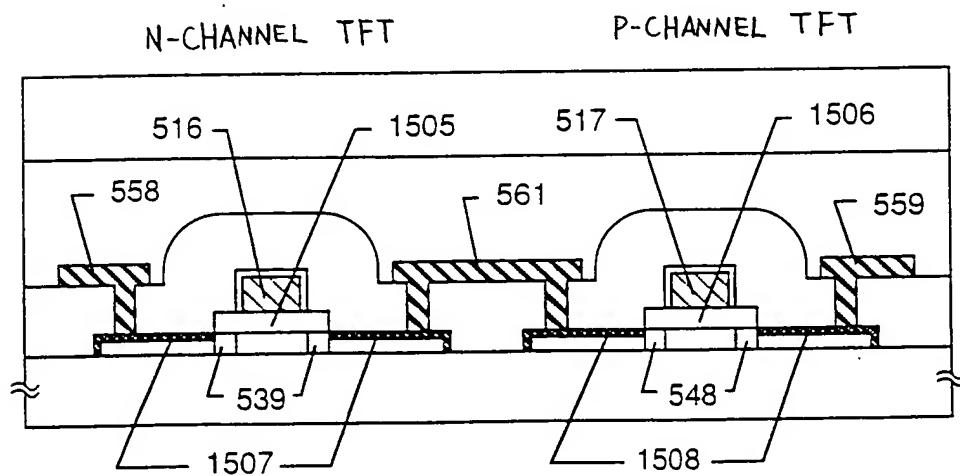
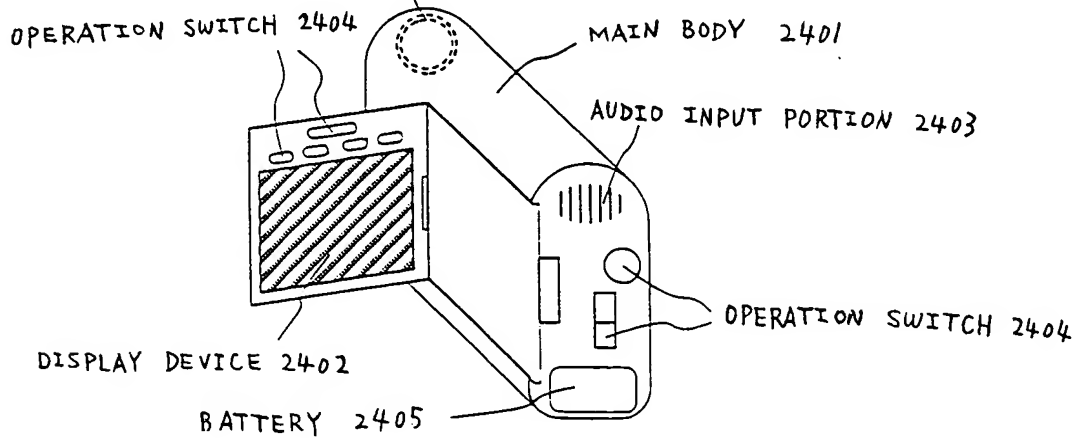
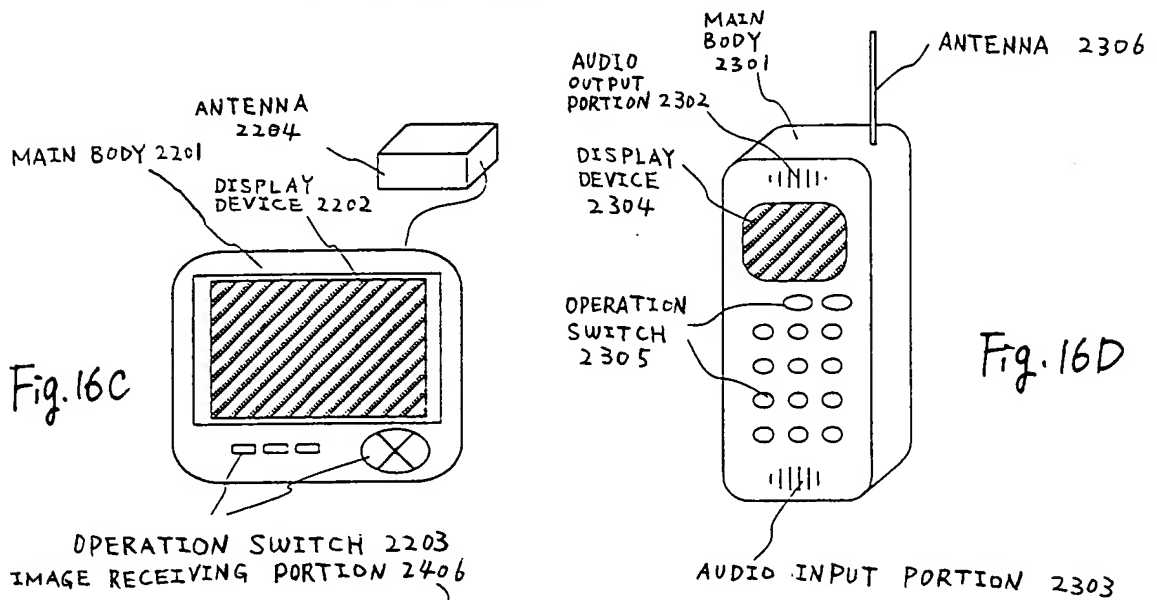
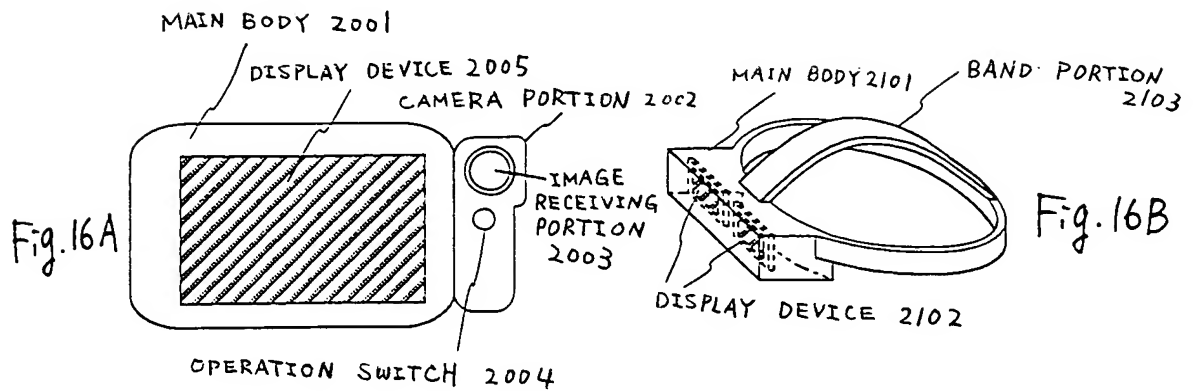


Fig. 15B



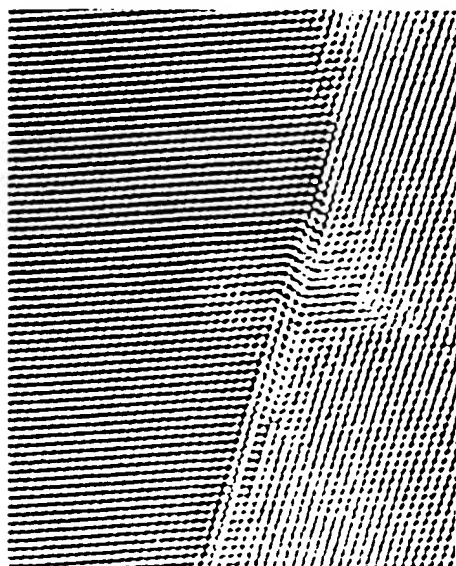


Fig. 17A

5 nm

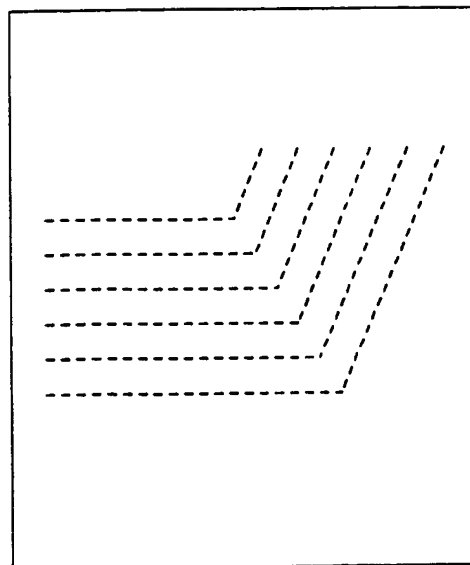


Fig. 17B

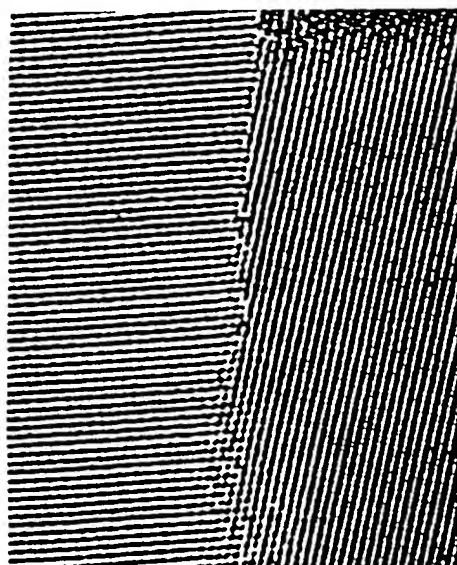


Fig. 17C

5 nm

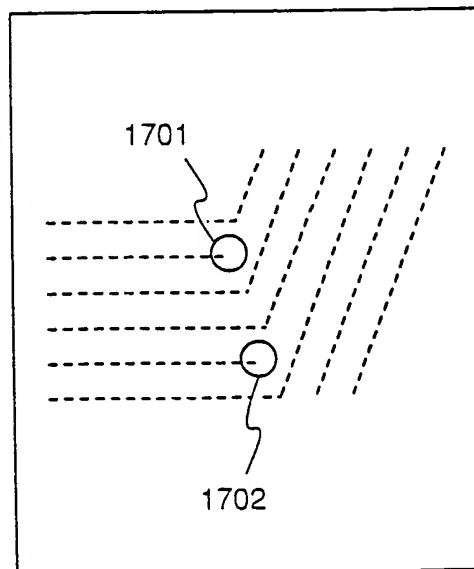


Fig. 17D

Fig. 18A

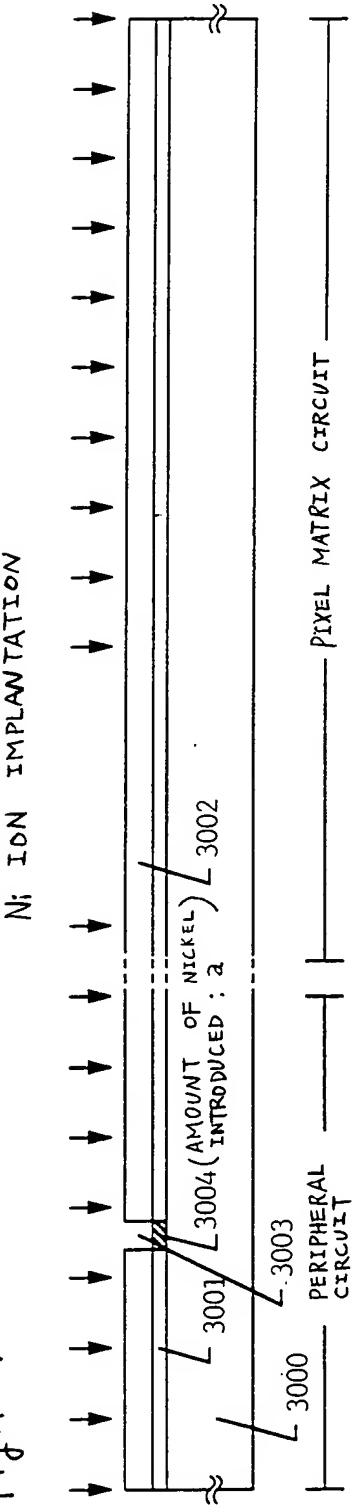


Fig. 18B

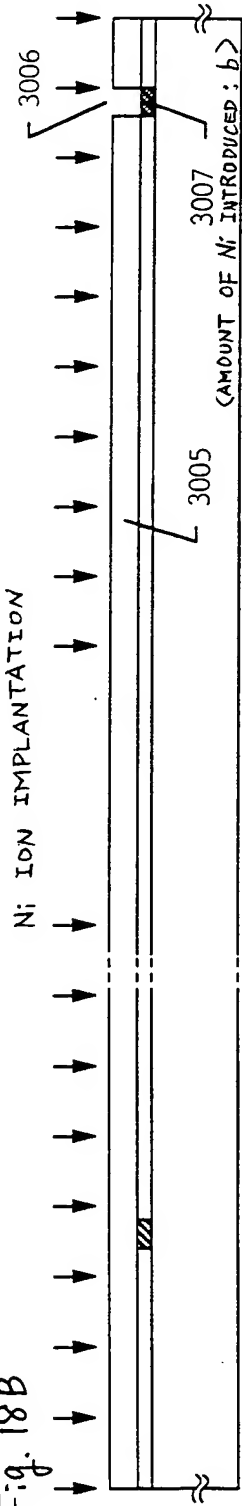


Fig. 18C

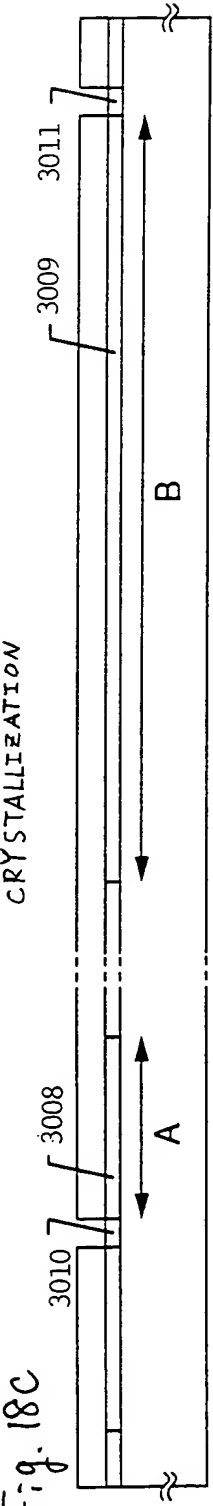


Fig. 19A

P ION IMPLANTATION

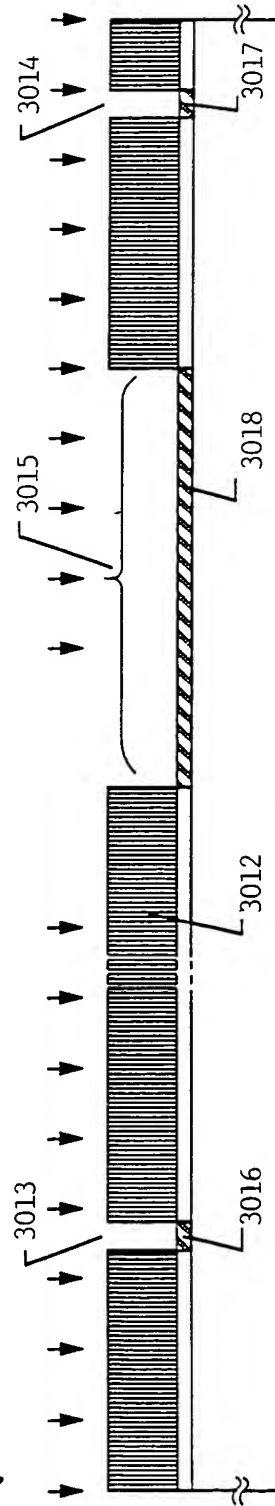


Fig. 19B

GETTERING BY PHOSPHORUS ELEMENT



Fig. 19C

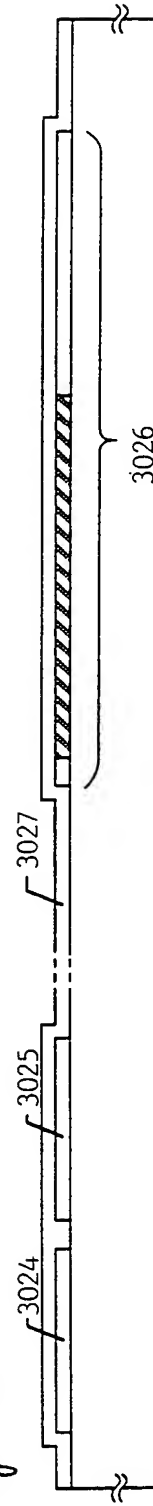


Fig. 20A

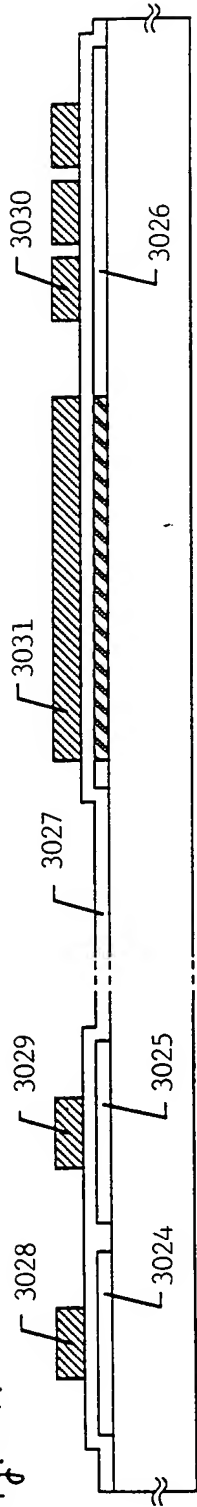


Fig. 20B

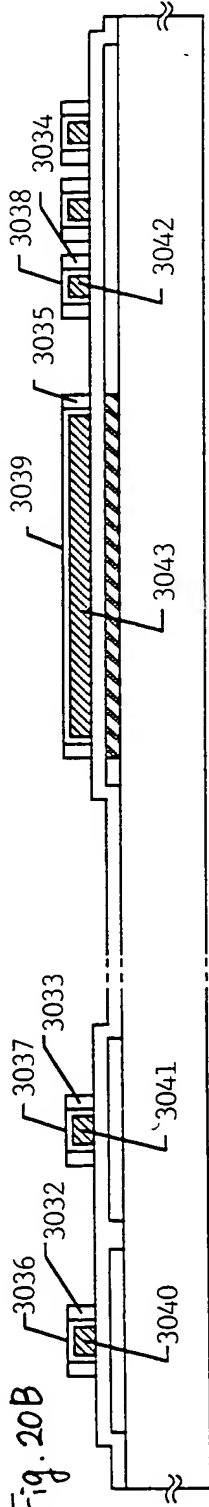


Fig. 20C

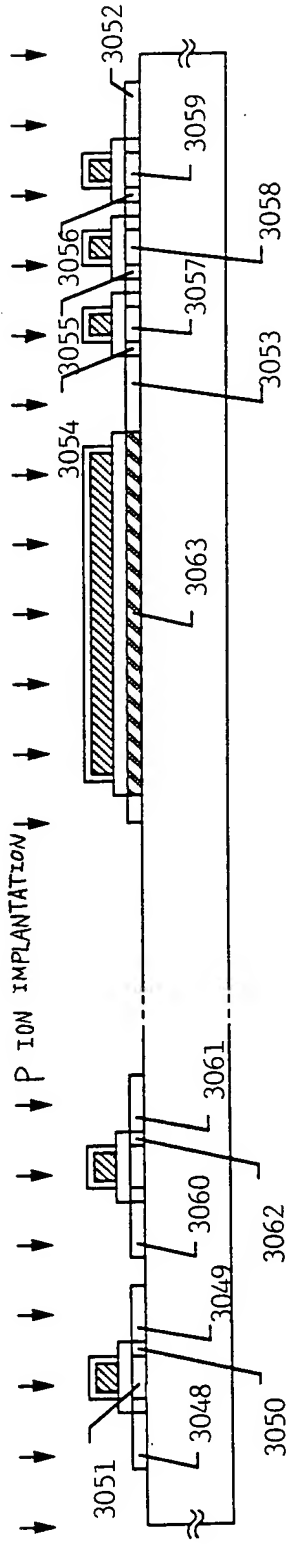
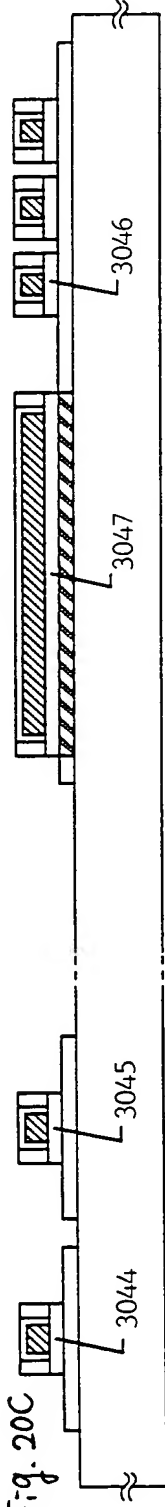


Fig. 20D

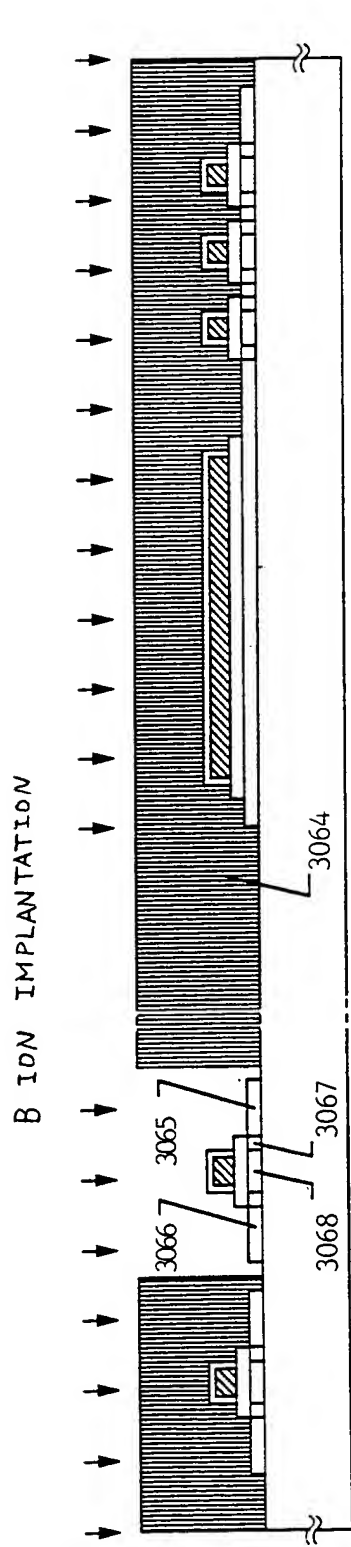


Fig. 21A

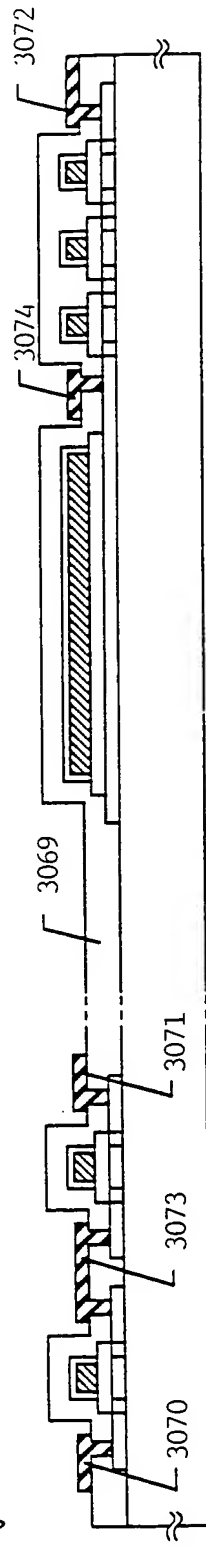


Fig. 21B

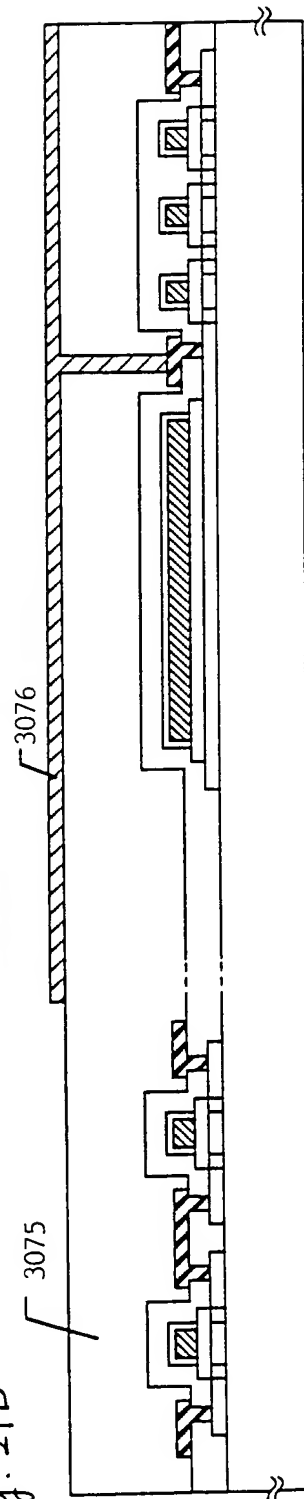
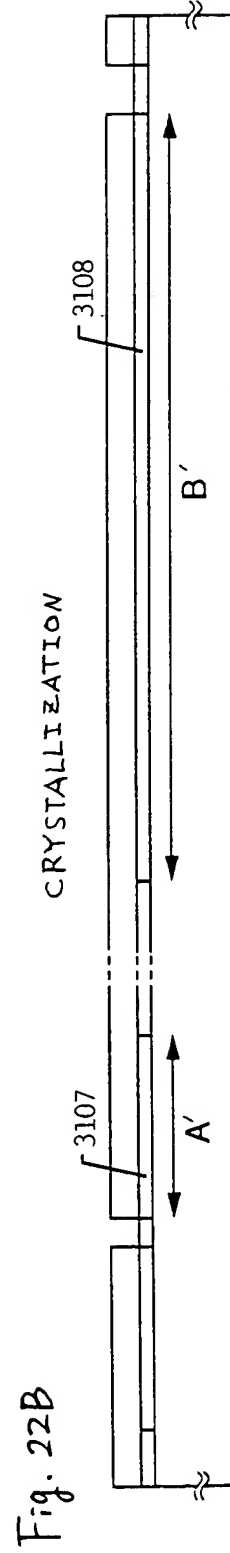
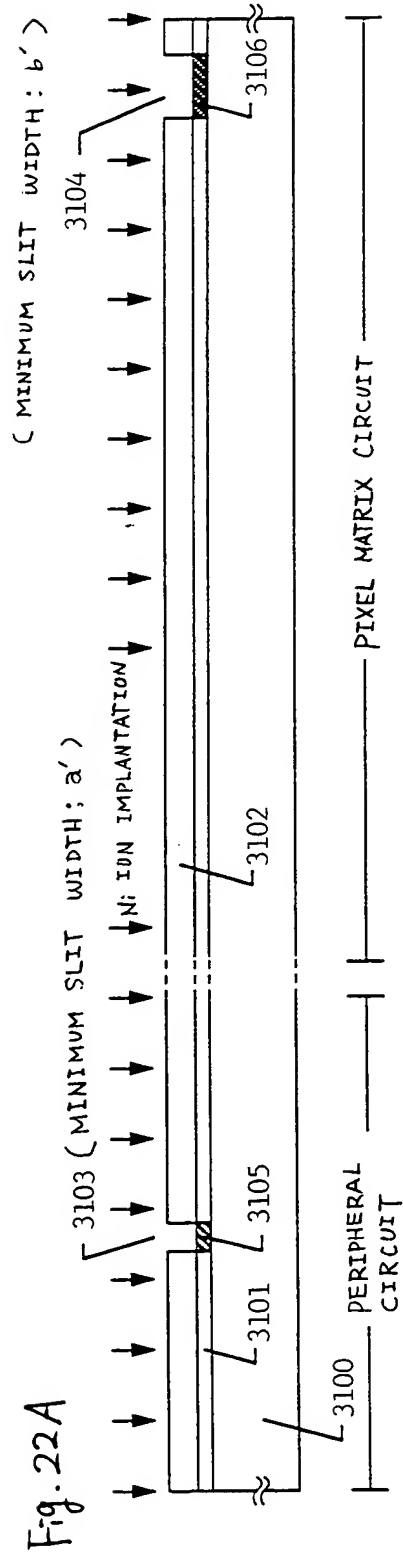


Fig. 21C



CATALYTIC ELEMENT ION IMPLANTATION

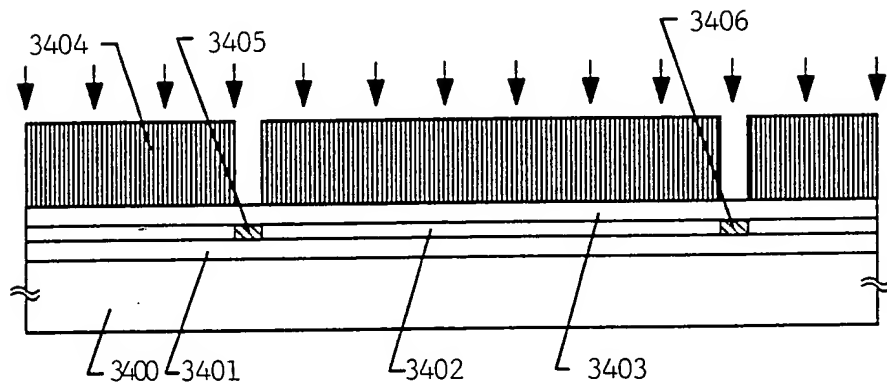


Fig. 23

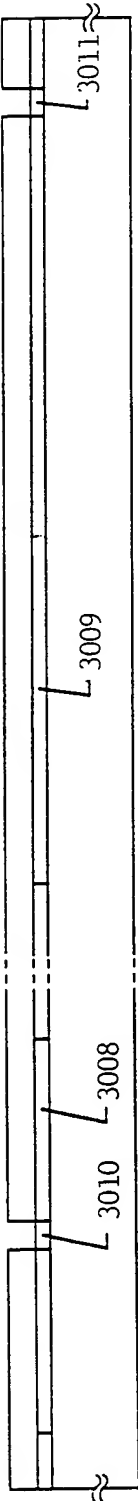


Fig. 24A

GETTERING BY HALOGEN ELEMENT

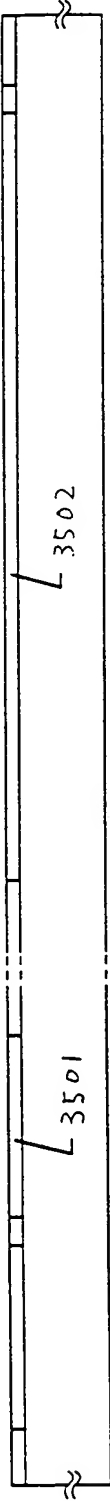


Fig. 24B

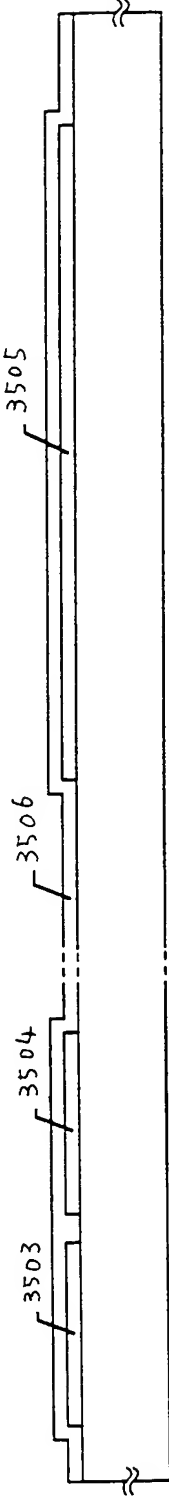


Fig. 24C

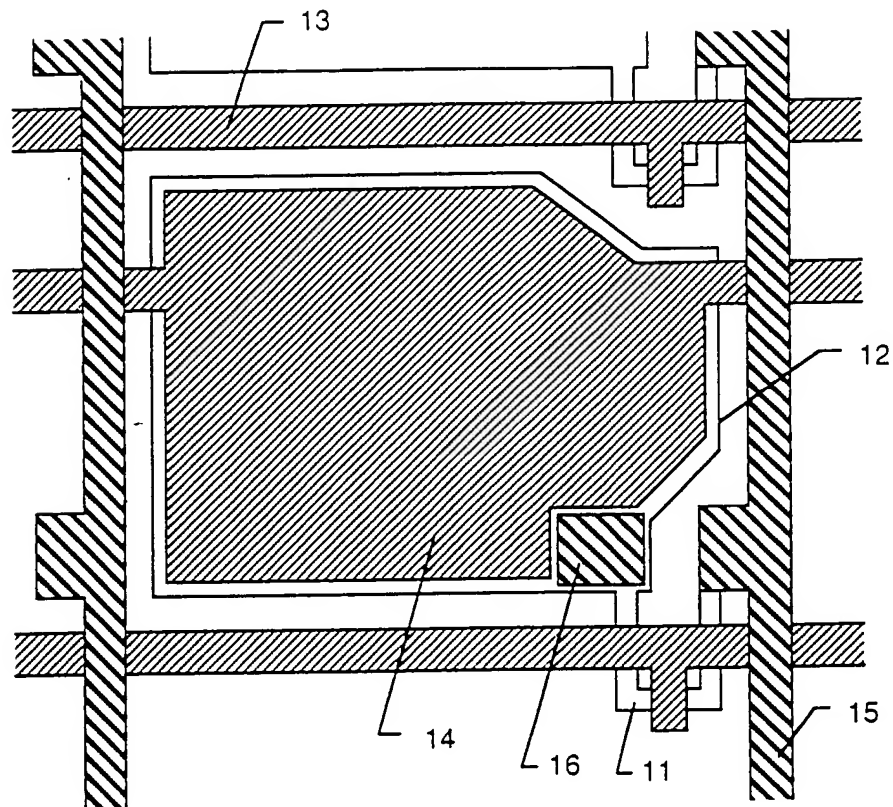


Fig. 25

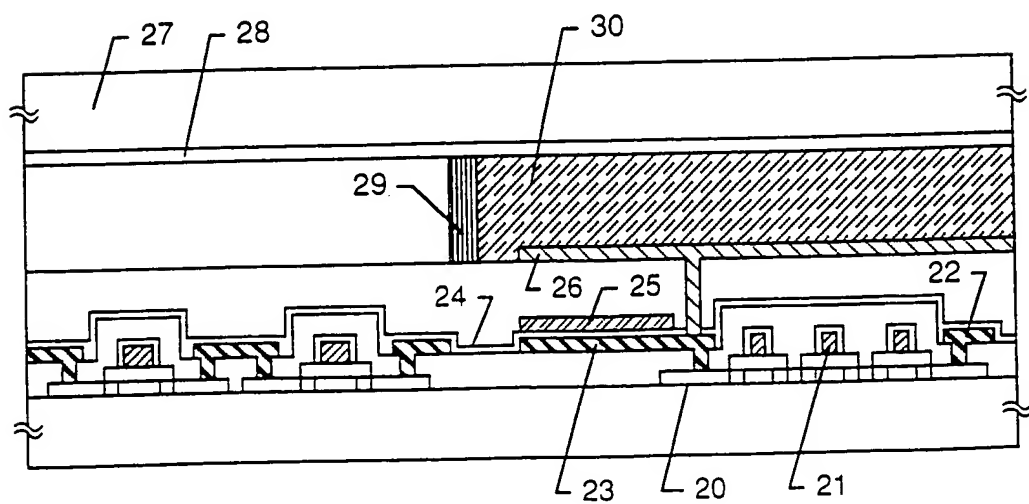
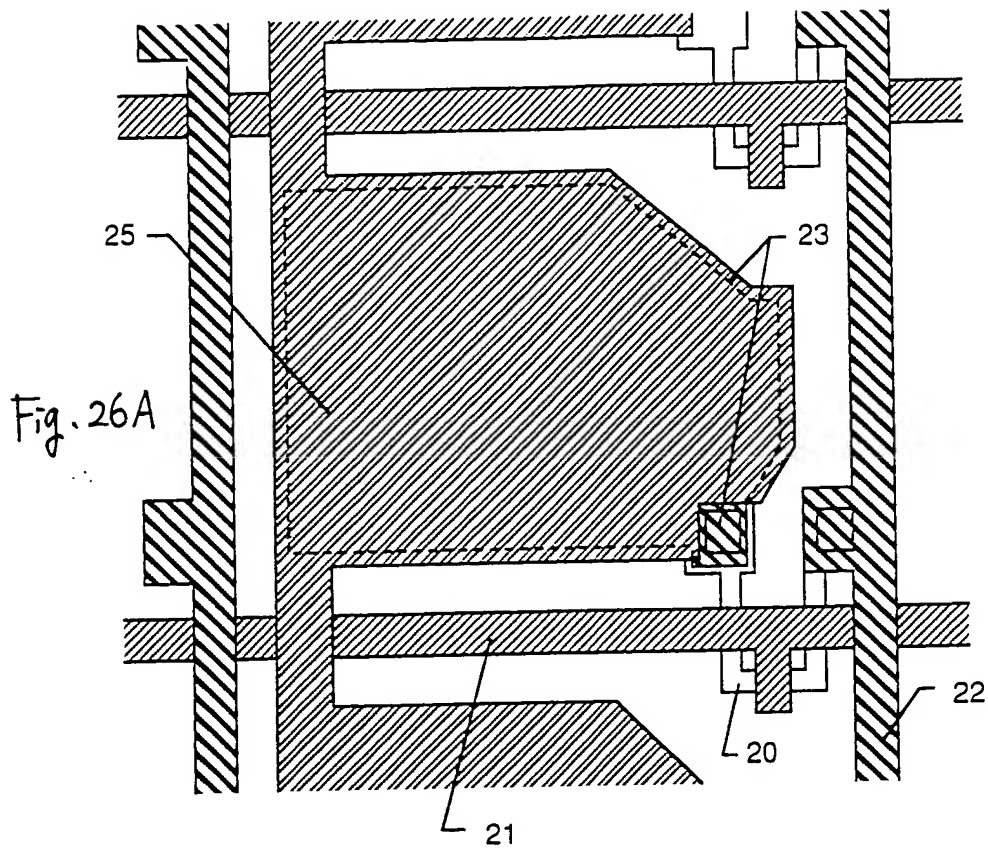


Fig. 26B